

CLAIMS

1. A mail sorting bin insert, comprising:
a bottom defining a substantially planar surface having a length and a width, wherein at least one of the length and the width substantially corresponds to at least one of a length and width of a standard mail bin; and
at least one support projecting upright from the bottom, wherein the support is sized and configured to support flat mail in a substantially vertical orientation.
2. The mail sorting bin insert of Claim 1, wherein the insert comprises a lightweight material.
3. The mail sorting bin insert of Claim 2, wherein the insert comprises a material selected from the group consisting of cardboard, plastic, wood, and composites.
4. The mail sorting bin insert of Claim 1, wherein the insert comprises two supports.
5. The mail sorting bin insert of Claim 4, wherein the bottom of the insert comprises three substantially coplanar sections which are separated from each other by the two supports, and wherein the two support have substantially triangular-shaped cross sections.
6. The mail sorting bin insert of Claim 1, wherein the at least one support has a triangular-shaped cross section.
7. The mail sorting bin insert of Claim 1, wherein the bottom and at least one support are created from a single piece of material.

8. The mail sorting bin insert of Claim 7, wherein the at least one support is created by folding the single piece of material.

9. A mail sorting bin insert, comprising at least one substantially vertical section projecting from a substantially horizontal section, wherein the insert is sized and configured to receive flat mail from an automatic mail sorter and the at least one substantially vertical section is configured to support flat mail in a substantially vertical orientation.

10. The mail sorting bin insert of claim 9, wherein the insert comprises a lightweight material.

11. The mail sorting bin insert of claim 10, wherein the lightweight material is selected from the group consisting of cardboard, plastic, wood, and composites.

12. The mail sorting bin insert of claim 9, wherein the insert has two substantially vertical sections.

13. The mail sorting bin insert of claim 9, wherein the at least one substantially vertical section has a substantially triangular-shaped cross section.

14. The mail sorting bin insert of claim 9, wherein the insert has a length, and the length of the insert substantially corresponds to a length of a mail sorting bin.

15. The mail sorting bin insert of claim 9, wherein the insert comprises a single piece of material.

16. The mail sorting bin insert of claim 15, wherein the insert is folded to create the substantially vertical sections and substantially horizontal sections.

17. The mail sorting bin insert of claim 9, wherein the substantially vertical section has a height, and the height of the substantially vertical section approximates a height of a mail sorting bin.

18. The mail sorting bin insert of claim 9, wherein the insert comprises an anti-slip surface.

19. A mail sorting bin insert, comprising:
a base defining a substantially planar surface, wherein the base is sized to substantially cover a bottom surface of a mail sorting bin; and
a plurality of substantially vertical supports attached to the base, wherein each substantially vertical support has a triangular-shaped cross section sized and configured to support flat mail in a substantially vertical orientation, and wherein the insert is configured to permit automatic sorting of flat mail into carrier walk sequence.

20. A mail sorting tub insert, comprising a flat sheet, wherein the flat sheet includes a plurality of sections and a plurality of predefined fold lines, wherein two adjacent sections are separated by a predefined fold line, and wherein the predefined fold lines are arranged and configured such that when the flat sheet is folded at the predefined fold lines, the sheet forms a base and at least one upright support sized and configured to support flat mail in an upright orientation.

21. The mail sorting tub insert according to claim 20, wherein the flat sheet has an upper surface and a lower surface, and wherein at least one predefined fold line permits a first section to rotate with respect to an adjacent second section in one direction, and wherein at least one predefined fold line permits a third section to rotate with respect to an adjacent fourth section in the other direction.